

Docket No. 265980US0PCT

MAILED PCT  
JC03 Rec'd PCT/PTO 03 MAY 2005

PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroyuki YANO, et al

SERIAL NO: 10/524,757

FILED: February 11, 2005

FOR: METHOD OF DETECTING ALLERGEN PROBLEMS

GAU:

EXAMINER:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
265980US0PCTSERIAL NO.  
10/524,757

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Hiroyuki YANO, et al.FILING DATE  
February 11, 2005

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AG	TAKIO, Koshi, "Determination of the positions of disulfide bonds", Tokyo Kagaku Dojin, pages 270-284, 1990. (with English translation of relevant portion)					
	AH	SHIMADA, Kazutake et al. "Derivatization of thiol-containing compounds", Journal of Chromatography B, vol. 659, pages 227-241 1994					
	AI	IMAI, Kazuhiro et al. "A Novel Fluorogenic Reagent for Thiols: Ammonium 7-Fluorobenzo-2-oxa- 1,3-diazole-4-sulfonate", Analytical Biochemistry, vol. 128, pages 471-473 1983					
	AJ	ALLORE, R.J. et al. "A Recommendation for Visualizing Disulfide Bonding by One-Dimensional Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis", Analytical Biochemistry, vol. 137, pages 523-527 1984					
	AK	SOMMER, Andreas et al. "Diagonal Polyacrylamide-Dodecyl Sulfate Gel Electrophoresis for the Identification of Ribosomal Proteins Crosslinked with Methyl-4-Mercaptobutyrimidate", Proc. Nat. Acad. Sci., vol. 71, no. 10, pages 3946-3950 1974					
	AL	URWIN, Valerie E. et al. "Two-Dimensional Polyacrylamide Gel Electrophoresis of Proteins Labeled with the Fluorophore Monobromobimane Prior to First-Dimensional Isoelectric Focusing: Imaging of the Fluorescent Protein Spot Patterns Using a Cooled Charge-Coupled Device", Analytical Biochemistry, vol. 209, pages 57-62 1993					
	AM	YANO, Hiroyuki et al. "A strategy for the identification of proteins targeted by thioredoxin", PNAS, vol. 98, no. 8, pages 4794-4799 2001					
	AN	YANO, Hiroyuki et al. "Redox Changes Accompanying the Degradation of Seed Storage Proteins in Germinating Rice", Plant Cell Physiol., vol. 42, no. 8, pages 879-883 2001					
	AO	YANO, Hiroyuki et al. "Disulfide proteome in the analysis of protein function and structure", Proteomics, vol. 2, pages 1090-1096 2002					
	AP	HUBY, Russell D.J. et al. "Why Are Some Proteins Allergens?", Toxicological Sciences, vol. 55, pages 235-246 2000					
	AQ	WEISS, Walter et al. "Identification and characterization of wheat grain albumin/globulin allergens", Electrophoresis, vol. 18, pages 826-833 1997					
	AR	YANO, Hiroyuki. "Fluorescent Labeling of Disulfide Proteins on 2D Gel for Screening Allergens: A Preliminary Study", Anal. Chem., vol. 75, pages 4682-4685 2003					
	AS	YANO, Hiroyuki et al. "Identification of Disulfide Proteins in the Salt Soluble Fraction of Rice (Oryza sativa) Seed", Cereal Chemistry, Vol. 80, no. 2, pages 172-174 2003					
	AT	YANO, H. et al. "A Novel Method for Discovering Allergenic Proteins", National Agricultural Research Center, National Agriculture and Bio-oriented Research Organization, with English translation 2003				<input type="checkbox"/> Additional References sheet(s) attached	

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No.: 10/524,757  
Docket No.: 265980US0PCT

#### STATEMENT OF RELEVANCY

- 1) References AG-AI have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.
- 3) References AL, AP, AQ are discussed in the specification. A copy of these references is being submitted here with.
- 4) References AJ, AK, AM-AO, AR-AT are additional prior art known to Applicant. A copy of these references is being submitted herewith.